

MEMORANDUM

FROM: Donna E. Felix

DATE: 12 Nov. 98

SUBJECT: Software Reuse Summary

Software has increasingly become one of STRICOM's core products. Not only is it used to drive to the desktop computer for government and support personnel, software also drives the synthetic terrains and vehicle control systems of nearly every simulation device being designed, developed, and used today. For most of our systems, software makes up a significant portion of the non-recurring development costs and a major portion of the sustainment cost. Further, declining budgets are forcing STRICOM to look for ways to reduce the costs associated with procuring and supporting its systems. One way to maximize cost reduction and minimize product development and maintenance cycles is to reuse software modules that have some degree of commonality across systems. These modules can then be reused as a starting point in the creation of different applications, eliminating the need for overall system re-design and reducing development duplication efforts.

Attached you will find some information concerning the reuse of assets at STRICOM. STRICOM's goals for this effort are many:

- Ensure that contractors are cleared for varying levels of access.
- Ensure that documentation for each software module developed or maintained by STRICOM is properly marked with access level and a high-level description of the module.
- Ensure that all module information is available to potential STRICOM contractors in accordance with access levels.
- When an RFP is released, ensure that as part of the evaluation criteria, the reuse of common software modules is addressed in all offerors' proposals to avoid duplication of effort.

In the past, Data Repository STRICOM (DR STRICOM) has attempted to

- inventory the software within STRICOM,
- document at a high level what is the purpose of the software,
- document where the software is used.

STRICOM is currently developing a policy on the proper marking of all deliverables concerning Government data rights, Distribution statement, classification of software, and intellectual property rights. Currently, DR STRICOM contains detailed information on the software associated with the Close Combat Tactical Trainer (CCTT). The repository is currently not up to the level that we need to accomplish our outlined goals across all STRICOM designed and developed systems. I am respectfully requesting your input to the attached information as assistance in developing the STRICOM software reuse policy.